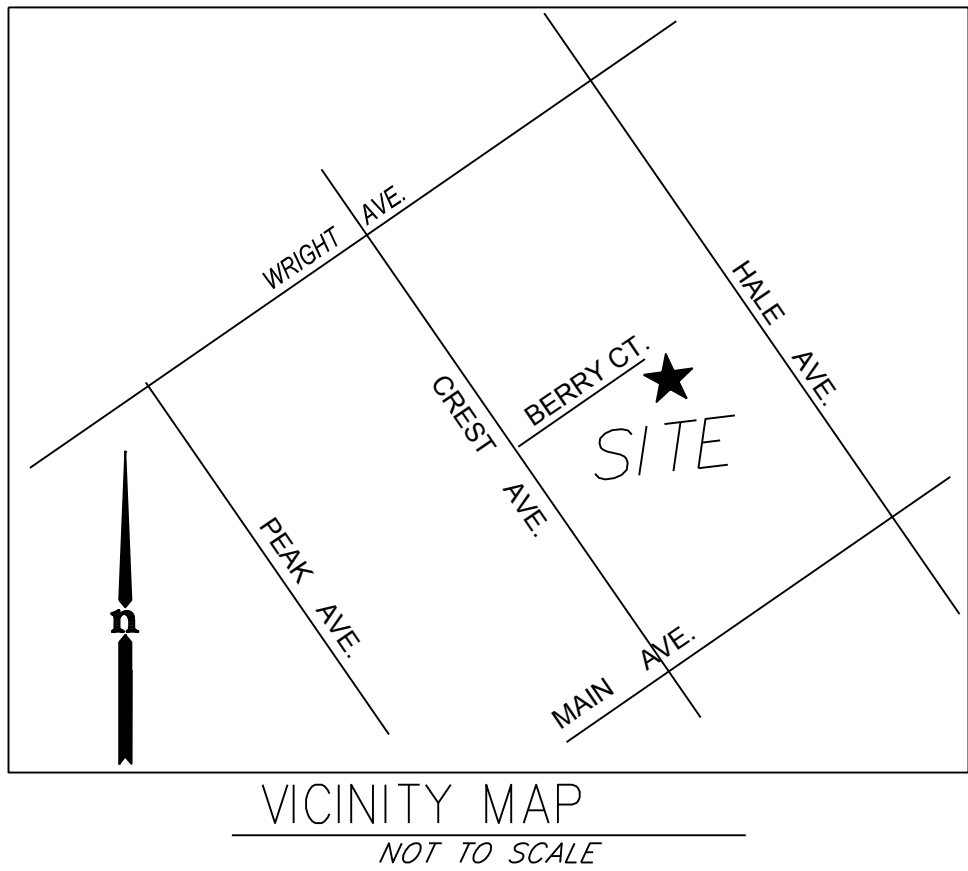
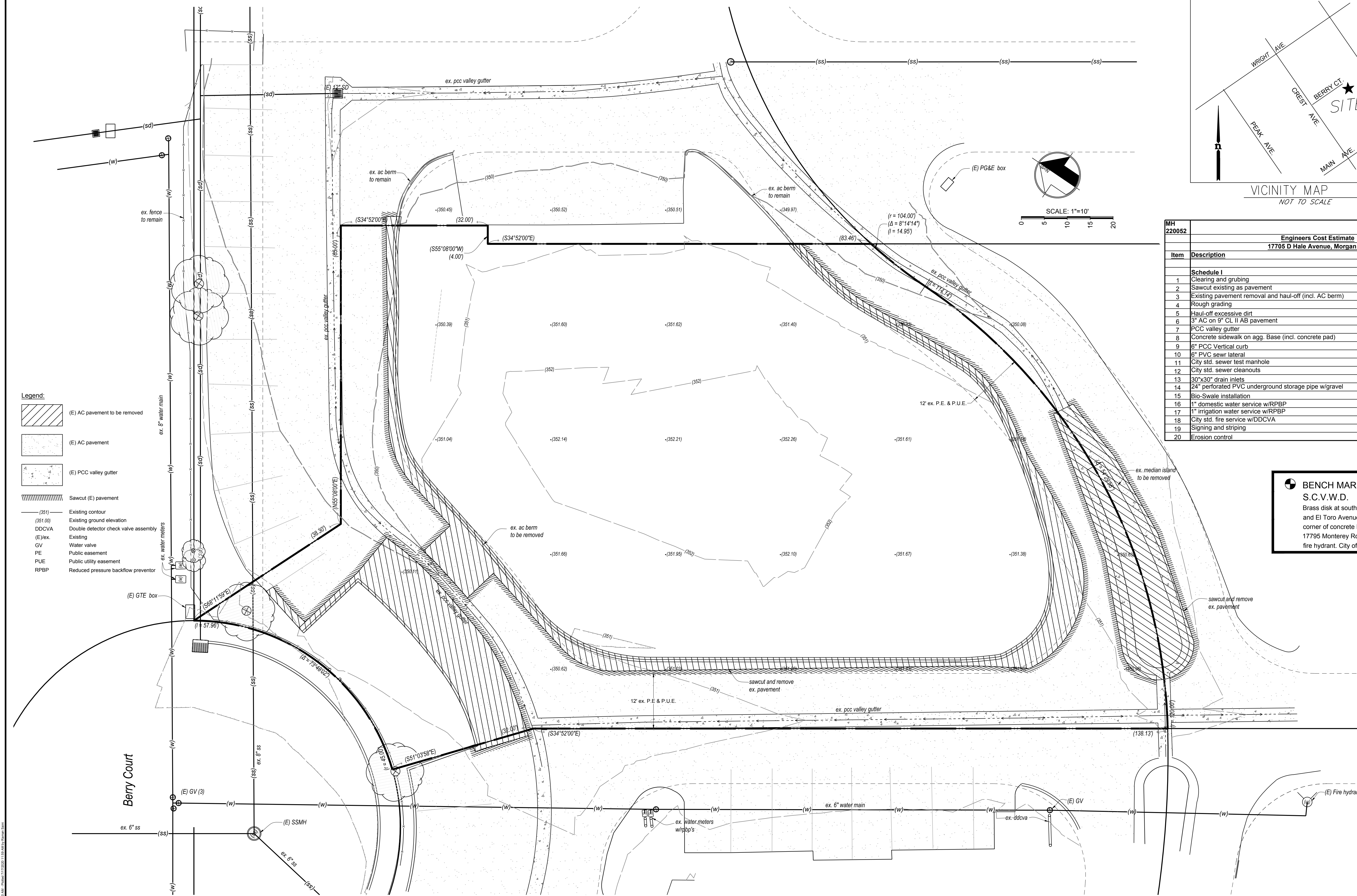


\\p0101\proj\2020\20200521\B-Bay_Berry_C1\20200521\20200521\17705 D Hale Ave.dwg - 11/17/2020 10:30 AM - Plotted: 11/17/2020 11:18 AM by: J. B. Smith

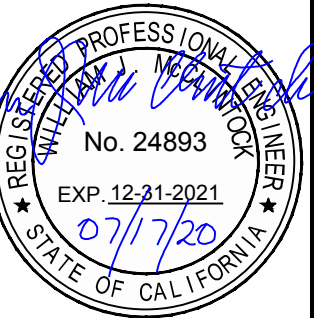
- Legend:
- (E) AC pavement to be removed
 - (E) AC pavement
 - (E) PCC valley gutter
 - Sawcut (E) pavement
 - Existing contour
 - Existing ground elevation
 - DDCVA Double detector check valve assembly
 - (E)/ex. Existing
 - GV Water valve
 - PE Public easement
 - PUE Public utility easement
 - RPBP Reduced pressure backflow preventor



Engineers Cost Estimate			
17705 D Hale Avenue, Morgan Hill			
Item	Description	Quantity	Unit
Schedule I			
1	Clearing and grubbing	1	LS
2	Sawcut existing as pavement	593	LF
3	Existing pavement removal and haul-off (incl. AC berm)	2,427	SF
4	Rough grading	310	CY
5	Haul-off excessive dirt	386	CY
6	3" AC on 9" CL II AB pavement	5,566	SF
7	PCC valley gutter	63	LF
8	Concrete sidewalk on agg. Base (incl. concrete pad)	1,071	SF
9	6" PCC Vertical curb	484	LF
10	6" PVC sewer lateral	58	LF
11	City std. sewer test manhole	1	EA
12	City std. sewer cleanouts	1	EA
13	30"x30" drain inlets	2	EA
14	24" perforated PVC underground storage pipe w/gravel	120	EA
15	Bio-Swale installation	1	LS
16	1" domestic water service w/RPBP	1	EA
17	1" irrigation water service w/RPBP	1	EA
18	City std. fire service w/DDCVA	1	EA
19	Signing and striping	1	LS
20	Erosion control	1	LS

BENCH MARK 001
S.C.V.W.D.
Brass disk at southwest corner Monterey Road and El Toro Avenue; on top of the northeast corner of concrete base for metal sign post at 17795 Monterey Road; 8 feet southeasterly of fire hydrant. City of Morgan Hill.

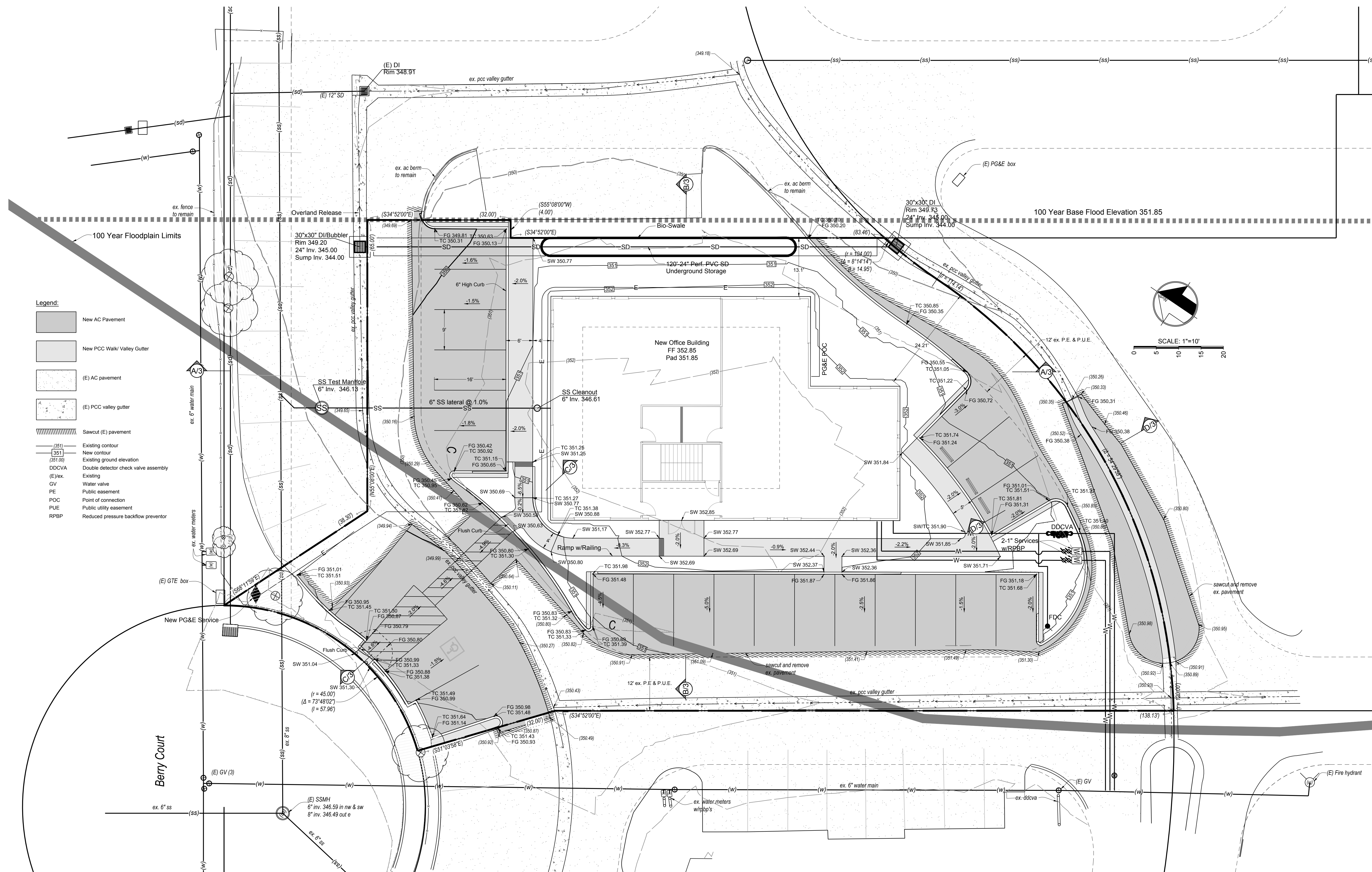
Sheet No.	Description
1	Site Topo/Demolition Plan
2	Grading Drainage and Utility Plan
3	Grading Cross Sections
4	Stormwater Control Plan
5	Erosion Control Plan
6	Erosion Control Details



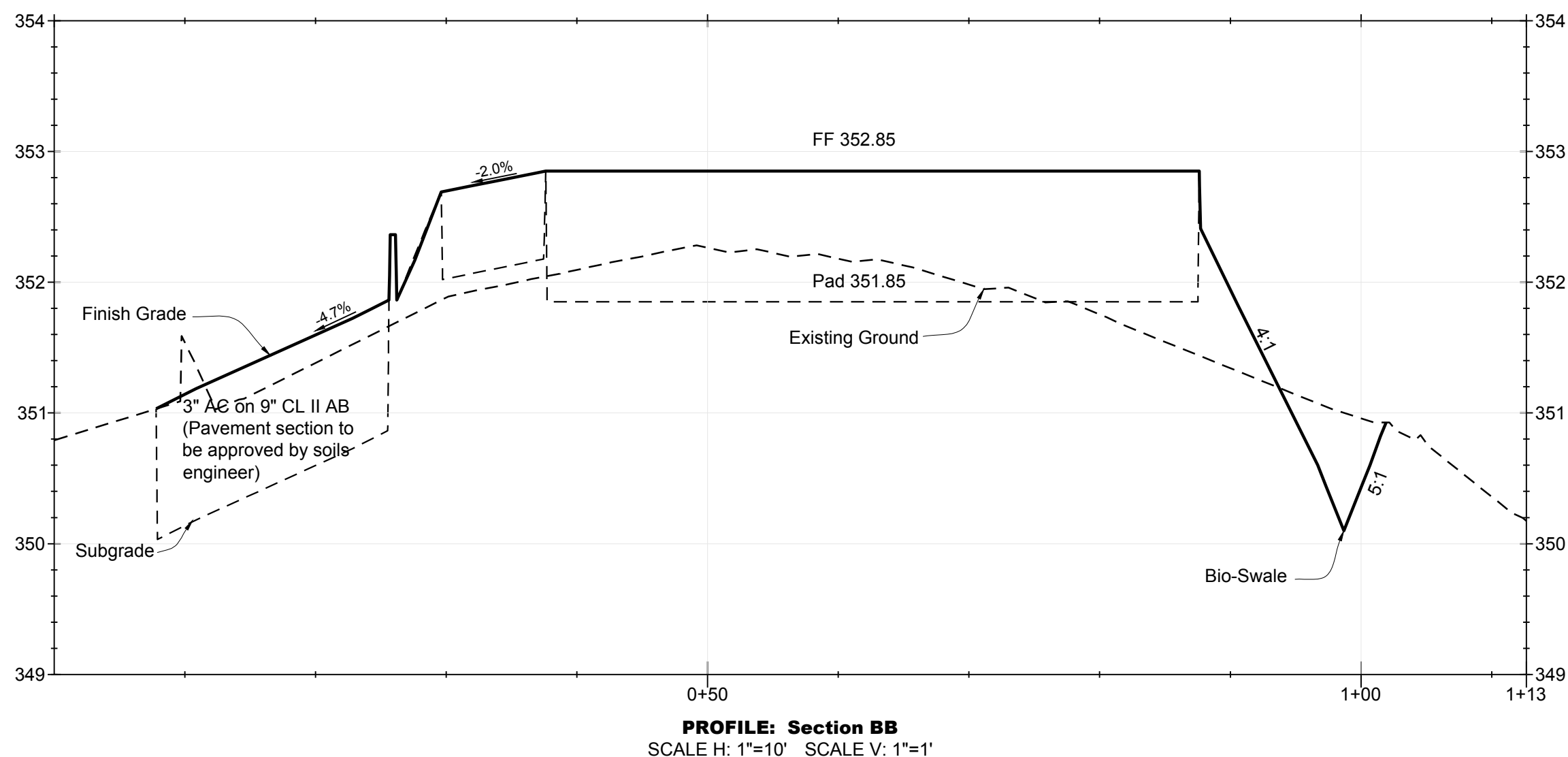
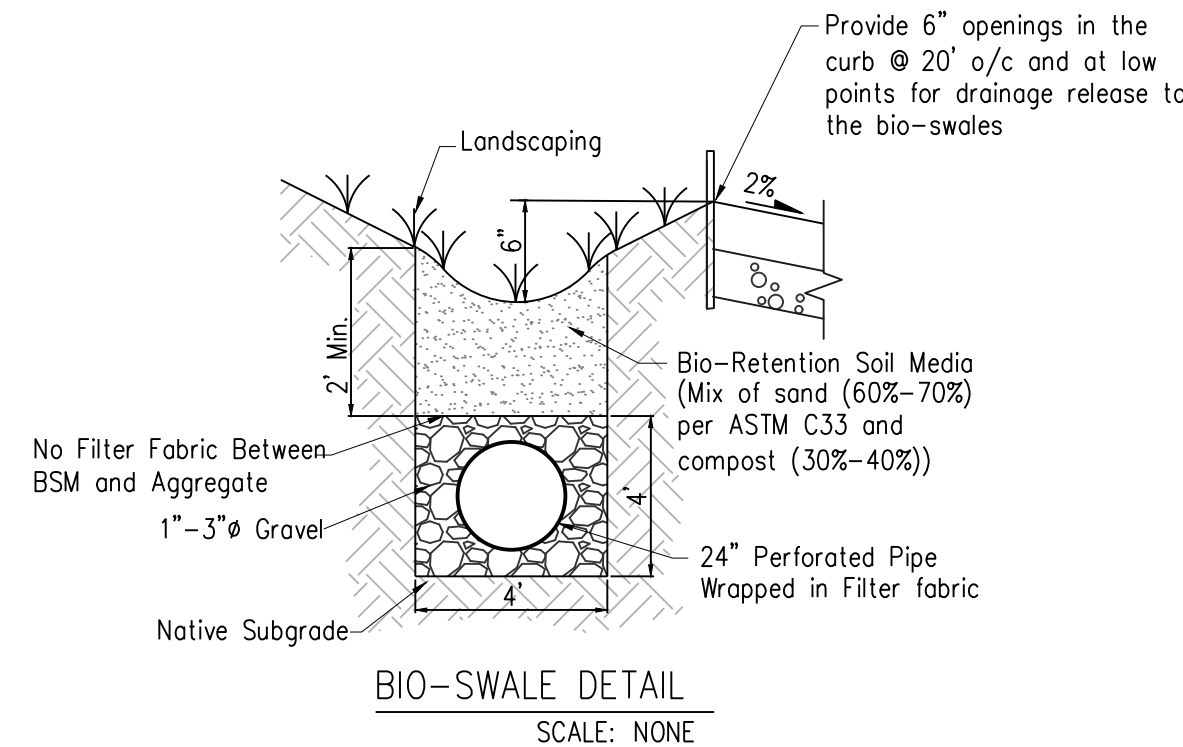
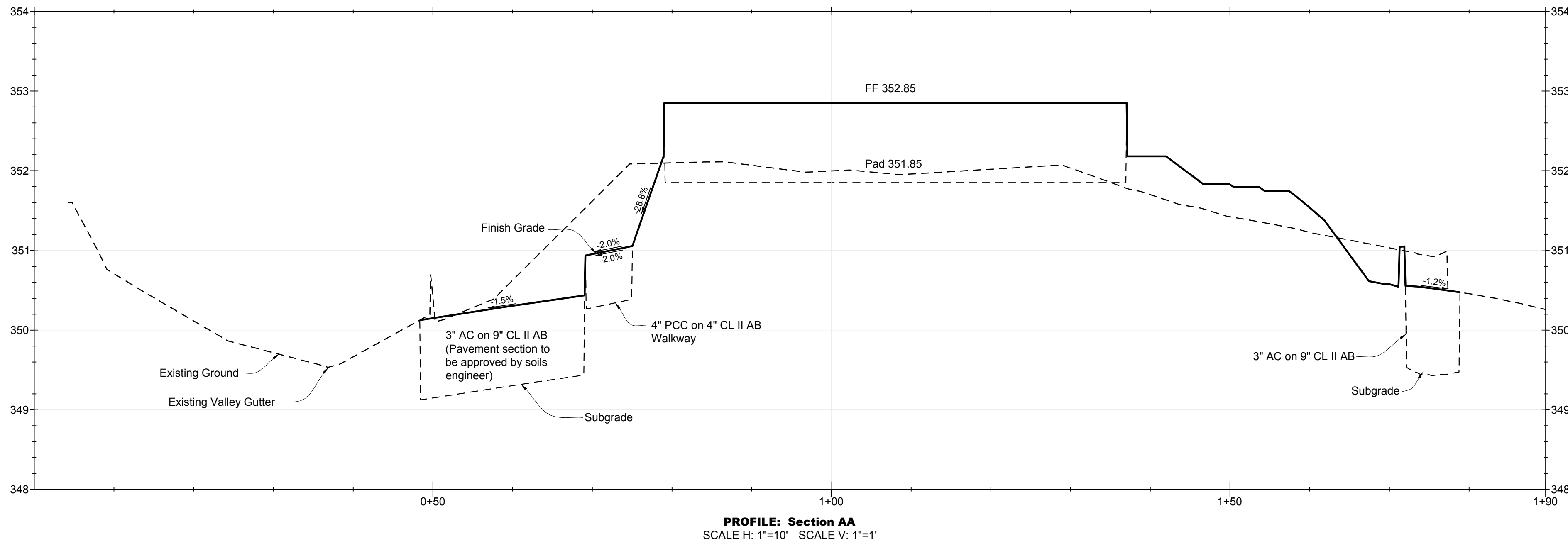
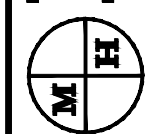
MH engineering Co.
16075 Vineyard Boulevard
Morgan Hill, CA 95037

Site Topo/Demolition Plan
17705 D Hale Avenue, Morgan Hill CA

DATE:	7/20
SCALE:	1"=10'
DRAWN BY:	RS
CHECKED BY:	WJM
JOB NO.	220052
SHEET	1
OF	6



GRADING QUANTITIES			
SITE EARTHWORK SUMMARY			
ITEM DESCRIPTION	CUT (C.Y.)	FILL (C.Y.)	NET (C.Y.)
ROUGH GRADING	310	30	280 (C)
TRENCH SPOILS	106	--	106 (C)
HAUL-OFF		386 C.Y.	



GRADING AND SITE PREPARATION NOTES

- ALL AREAS TO RECEIVE FILL SHALL BE STRIPPED TO A DEPTH TO BE DETERMINED BY THE SOILS ENGINEER. ANY A.C. OR P.C.C. PAVING SHALL BE SCARIFIED & REMOVED & SUBGRADE PREPARED & COMPACTED PER SOIL ENGINEER'S RECOMMENDATIONS PRIOR TO ANY FILLING.
- ALL MATERIAL TO BE USED AS FILL WITHIN BUILDING PAD AREAS & PARKING OR DRIVEWAY AREAS TO BE FREE OF ALL VEGETATION & FOREIGN MATTER AND SHALL BE APPROVED BY SOILS ENGINEER.
- ON-SITE SOILS USED AS ENGINEERED FILL SOILS SHOULD BE MOISTURE CONDITIONED TO SLIGHTLY ABOVE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 92 PERCENT RELATIVE COMPACTION. SUBGRADE SOILS WITHIN DRIVEWAY AND STREET TO BE COMPACTED TO 95% RELATIVE COMPACTION AS PER ASTM D1557.
- STRIPPING MAY BE PLACED IN PLANTING AREA OR BURIED IN DESIGNATED PARK AREAS; ALL EXCESS STRIPPING SHALL BE HAULED AWAY. PAVING DEBRIS SHALL BE HAULED AWAY TO AN APPROVED DISPOSAL SITE.
- ALL WORK SHOWN OR NOTED ON THESE PLANS SHALL BE DONE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS ENGINEER, ALL LOCAL, STATE, AND FEDERAL MINIMUM STANDARDS AND THE LATEST EDITION OF THE UNIFORM BUILDING CODE. NOTIFY SOILS ENGINEER 2 WORKING DAYS PRIOR TO BEGINNING OF ANY GRADING. THE SOIL ENGINEER IS _____ FILE NO.: _____ DATED _____.
- CONNECTIONS TO EXISTING PUBLIC UTILITIES SHALL BE DONE WITH APPROVAL & IN ACCORDANCE WITH THE UTILITY COMPANY'S REQUIREMENTS.
- CONTRACTORS SHALL PROTECT ALL EXISTING SITE IMPROVEMENTS NOT SCHEDULED FOR REMOVAL DURING CONSTRUCTION. THEY SHALL REPAIR ANY DAMAGE TO NEW CONDITION AT THEIR EXPENSE.
- VERIFY ALL EXISTING SITE CONDITIONS, SITE DIMENSIONS AND GRADES PRIOR TO START OF WORK.
- CONFORM TO THE RECOMMENDATIONS OF THE DRAWINGS, DETAILS AND SITE SOILS REPORT FOR COMPACTION, STRIPPING, GRADING, PAVING AND UTILITY TRENCHES.
- SOIL COMPACTION TESTS SHALL BE PAID FOR BY THE OWNER/DEVELOPER AS PER NOTE 3.
- ALL GRADING AND RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF MORGAN HILL AND THE RECOMMENDATION OF THE SOILS ENGINEER.
- CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING SERVICES AND UNDERGROUND UTILITIES & SEWERS. LOCATIONS SHOWN ON THE PLAN ARE APPROXIMATE AND SHOWN FOR GENERAL INFORMATION ONLY. CONTRACTOR SHALL CALL U.S.A. AT 800-642-2444 48 HOURS PRIOR TO UNDERGROUND WORK FOR FIELD LOCATOR SERVICE.
- ANY VOIDS CREATED BY STRUCTURE REMOVAL, TREE REMOVAL, SEPTIC TANK AND LEACH LINE REMOVAL MUST BE BACKFILLED WITH PROPERLY COMPACTED NATIVE SOILS THAT ARE FREE OF ORGANICS & OTHER DELETERIOUS MATERIALS OR WITH APPROVED IMPORT FILL & COMPACTED TO THE SOILS ENGINEER'S RECOMMENDATIONS.
- IT SHALL BE THE RESPONSIBILITY OF THE GRADING CONTRACTOR, DURING THE GRADING OPERATION, IN COOPERATION WITH MH ENGINEERING TO VERIFY QUANTITIES WITHIN THIS PROPERTY. THE EARTHWORK QUANTITIES SHOWN HAVE BEEN DILIGENTLY ESTIMATED BY THE ENGINEER, BASED UPON AVAILABLE INFORMATION, IN ORDER TO ASSIST THE CONTRACTOR. THE GROUND TOPOGRAPHY ELEVATIONS & CONTOURS WERE FURNISHED BY MH ENGINEERING. DATE OF TOPOGRAPHY SURVEY IS 5/27/2020. MH ENGINEERING DOES NOT GUARANTEE CURRENT ACCURACY. CONTRACTOR SHALL FIELD VERIFY FOR HIMSELF THAT NO ADDITIONAL GRADING IMPORTING OR EXPORTING OF EARTH HAS TAKEN PLACE SINCE THE DATE OF THE TOPO SURVEY STATE.
- THE EARTHWORK QUANTITIES SHOWN ARE PROVIDED AS A COURTESY AND CONVENIENCE TO THE CONTRACTOR. THE CUT & FILLS SHOWN ARE APPROXIMATE CALCULATED QUANTITIES BASED ON THE DIFFERENCE BETWEEN EXISTING GROUND ELEVATIONS (CONTOURS) & ROUGH GRADE ELEVATIONS. THE CALCULATIONS MAKES NO PROVISION FOR SCARIFICATION & COMPACTION WORK OR FILL. FOR THIS REASON & BECAUSE OF VARIABLES SUCH AS COMPACTION, SHRINKAGE & THE CONTRACTOR'S METHOD OF OPERATION, THE VOLUME OF DIRT ACTUALLY MOVED IN THE FIELD WILL PROBABLY VARY TO SOME EXTENT FROM THE CALCULATED VOLUME. FOR THE PURPOSE OF APPROXIMATING THE SHRINKAGE, 10% WAS USED FOR THE FILL VOLUMES.
- THE CONTRACTOR'S EARTHWORK BID REFLECTS HIS OWN CALCULATION OF THE EARTHWORK COMPACTED & COMPLETE IN PLACE TO THE DETAILS, LINE, AND GRADE SHOWN ON THE PLANS.

LEGEND

PROPOSED	EXISTING	DESCRIPTION
---	---	PROPERTY LINE
---	---	CENTER LINE
---	---	LIMIT OF WORK LINE
---	---	CITY LIMIT LINE
---	---	EDGE OF PAVEMENT
---	---	CURB AND GUTTER
---	---	SIDEWALK
---	---	DRIVEWAY APPROACH
---	---	AC PAVEMENT
---	---	STORM DRAIN
---	---	SANITARY SEWER
---	---	WATER MAIN
---	---	GAS
---	---	ELECTRIC
---	---	TELEPHONE
---	---	JOINT TRENCH
---	---	FENCE, TYPE AS SHOWN
---	---	STREET BARRICADE
---	---	BENCH MARK
---	---	CONTROL POINT
---	---	MONUMENT, TYPE AS SHOWN
---	---	REVISION
---	---	SECTION - DETAIL
---	---	STREET NAME SIGN
---	---	STREET SIGN, TYPE AS SHOWN
---	---	TOP OF SLOPE
---	---	SWALE
---	---	SLOPE / FLOW LINE
---	---	STORM DRAIN MANHOLE
---	---	CURB INLET
---	---	GALLERY INLET
---	---	DROP INLET
---	---	SANITARY SEWER MANHOLE
---	---	FIRE HYDRANT
---	---	BLOW OFF VALVE
---	---	CLEAN OUT
---	---	AIR RELIEF VALVE
---	---	GATE VALVE
---	---	JOINT POWER POLE
---	---	ELECTROLIER
---	---	ELECTROLIER WITH SIGN
---	---	CONTOURS

